

Dietrich Conze, Ph.D. **Senior Science Director**

Dr. Dietrich Conze is a Senior Science Director at Spherix Consulting. He is a cell and molecular biologist specializing in the signal transduction pathways that regulate innate and adaptive immunity, inflammation, and tumorigenesis. Dr. Conze is responsible for the critical evaluation of scientific literature, design and interpretation of preclinical and clinical studies for food ingredients, dietary supplements and pharmaceuticals, and the preparation of reports for regulatory submissions, Generally Recognized As Safe (GRAS) dossiers, New Dietary Ingredient Notifications (NDIN), Novel Foods Submissions, Investigational New Drug Applications (IND), and New Drug Applications (NDA).

Dr. Conze's goal is to provide clients with a clear understanding of the science that is appropriate to use in demonstrating the safety and/or efficacy of their products. He is responsible for supporting the regulatory and scientific needs of his clients.

Dr. Conze received his Ph.D. from the Cell and Molecular Biology Program at the University of Vermont where he discovered the isoform specific roles of a family of serine/threonine kinases in T cell differentiation and adaptive immunity, and identified that cytokines can induce multi-drug resistance in cancer cells. He then continued his scientific pursuits as a Postdoctoral Fellow in the Laboratory of Immune Cell Biology at the National Cancer Institute. At NCI, he discovered the roles of linkage-specific polyubiquitin chains in innate immune receptor-induced activation of the transcription factor NF- κ B and the physiological role of a family of enzymes involved in protein ubiquitination in B cell homeostasis. He has more than 15 years of experience conducting scientific research and has authored and contributed to a wide variety of peer-reviewed publications. Dr. Conze has also mentored interns, presented his work at scientific meetings, and served on the Immunology Interest Group Steering Committee at the National Institutes of Health.



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Expertise

Cell and Molecular Biology

Immunology

Signal Transduction

Inflammation and Cancer Mechanisms

Immune Cell Homeostasis

Credentials

B.S., Biology, Bucknell University

Ph.D., Cell and Molecular Biology, University of Vermont

Postdoctoral Fellow in the Laboratory of Immune Cell Biology at the National Cancer Institute